

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PC., J2004/002339

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07B39/00 C07C17/093 C07C201/12 C07C25/18 C07C205/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07B C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LAALI K K ET AL: "Fluorodediazoniation in ionic liquid solvents: new life for the Balz-Schiemann reaction" JOURNAL OF FLUORINE CHEMISTRY, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 107, no. 1, January 2001 (2001-01), pages 31-34, XP004228139 ISSN: 0022-1139 cited in the application in particular table 2, scheme 2, paragraph 3.2 the whole document	1-12
Y	EP 0 776 877 A (HOECHST AG) 4 June 1997 (1997-06-04) page 2, line 25 - line 28 page 2, line 37 - line 49 page 3, line 5 - line 46; claims; examples ----- -/-	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the International filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the International search

22 October 2004

Date of mailing of the International search report

08/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3018

Authorized officer

Seelmann, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002339

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 596 684 A (OCTEL CHEM LTD) 11 May 1994 (1994-05-11) page 2, line 12 - line 31 page 2, line 42 - line 48 page 3, line 31 - line 33 page 3, line 44 - line 53; claims; examples -----	1-12
Y	N.L.LANCASTER ET AL.: "Nucleophilicity in ionic liquids" JOURNAL OF ORGANIC CHEMISTRY, vol. 67, 11 December 2002 (2002-12-11), pages 8855-8861, XP002302142 page 8855, left-hand column page 8860, right-hand column -----	1-12
Y	D.W.KIM ETAL.: "Significantly enhanced reactivities of the nucleophilic substitution reactions in ionic liquid" JOURNAL OF ORGANIC CHEMISTRY, vol. 68, 5 March 2003 (2003-03-05), pages 4281-4285, XP002302143 page 4282, left-hand column page 4283, left-hand column page 4284, right-hand column -----	1-12

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002339

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0776877	A	04-06-1997	DE 19544870 A1	05-06-1997
			CA 2191652 A1	02-06-1997
			DE 59603777 D1	05-01-2000
			EP 0776877 A1	04-06-1997
			JP 9169675 A	30-06-1997
EP 0596684	A	11-05-1994	AT 148445 T	15-02-1997
			DE 69307832 D1	13-03-1997
			DE 69307832 T2	04-09-1997
			EP 0596684 A1	11-05-1994
			JP 6316544 A	15-11-1994
			US 5416235 A	16-05-1995